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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Confirmation No. 8945

Application No.:	10/655,985)
)
Filing Date:	September 5, 2003)
)
Applicant(s):	Guoming G. Zhu et al.)
)
Group Art Unit:	2863)
		RESPONSE
Examiner:	Michael P. Nghiem)
)
Title:	Methods Of Diagnosing Open- Secondary Winding Of An Ignition Coil Using The Ionization Current Signal)
)
Attorney Docket:	<u>46107-0091</u>)

Commissioner For Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

This is in response to the Office Action mailed June 6, 2006, for which the three-month shortened statutory period for response is set to expire on September 6, 2006. Kindly amend the above-identified application as follows and consider the remarks set forth below:

A Listing of the Claims begin on page 2 of this paper.

Remarks begin on page 7 of this paper.

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CONFIRMATION

TO:	COMPANY:
Central Fax Delivery	U.S. PATENT & TRADEMARK OFFICE
FAX NUMBER:	PHONE NUMBER:
(571) 273-8300	(866) 217-9197

From: Michael A. Schaldenbrand

Date: September 6, 2006

Total Number of Pages Including Cover Sheet: 12

Message:

RE: Application No.: 10/655,985 - Filing Date: September 5, 2003

Applicant(s): Guoming G. Zhu et al.

Group Art Unit: 2863

Examiner: Michael P. Nghiem

Title: Methods Of Diagnosing Open-Secondary Winding Of An Ignition Coil Using The
Ionization Current Signal

Attorney Docket: 46107-0091

Reply To Final Office Action Dated June 6, 2006

Transmitted herewith are the following documents:

- 1) USPTO Transmittal Form (including Certificate of Facsimile Transmission) (1 page);
- 2) Fee Transmittal For FY 2006 (1 page);
- 3) Amendment and Response (9 pages).

DET 09/06/06

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OFFICE CODE

 Client Name:
 Client/Matter Number: 46107-0091
 Attorney Number: [1139]
 Secretary/Ext.: Rainie Mills/7388

 Matter Name:
 Attorney Initials: MAS
 No. of Pages: 12
 Amount:

Doc

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0207

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/655,985
Filing Date	September 5, 2003
First Named Inventor	Guoming G. Zhu et al.
Art Unit	2863
Examiner Name	Michael P. Nghiem
Attorney Docket Number	46107-0091

ENCLOSURES (Check all that apply)

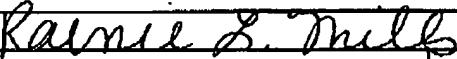
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Dickinson Wright PLLC		
Signature			
Printed name	Michael A. Schaldenbrand		
Date	9/6/2006	Reg. No.	47,923

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the

Signature			
Typed or printed name	Rainie L. Mills	Date	9/6/06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PAGE 2/12 * RCVD AT 9/6/2006 2:08:22 PM (Eastern Daylight Time) * SVR:USPTO-EFXRF-6/40 * DNI:2738300 * CSID:2484337274 * DURATION (mm:ss):04:20

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SEP 06 2006

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEET TRANSMITTAL
for FY 2006** Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

\$0.00

Complete if Known

Application Number	10/655,985
Filing Date	September 5, 2003
First Named Inventor	Guoming G. Zhu et al.
Examiner Name	Michael P. Nghiem
Art Unit	2863
Attorney Docket No.	46107-0091

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Deposit Account Number: 04-1061 Deposit Account Name: Dickinson Wright PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or any underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

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FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Small Entity Fee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity Fee (\$)	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	\$50.00	= \$0.00	_____	_____	_____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	\$200.00	= \$0.00

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.18(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	0	/ 50 0	(round up to a whole) x \$250.00 = \$0.00	Fee Paid (\$)

4. OTHER FEE(S)

Non-English specification. \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY

Signature	<i>Michael A. Schaldenbrand</i>	Registration No. (Attorney/Agent)	47,923	Telephone	248 433-7570
Name (Print/Type)	Michael A. Schaldenbrand		Date	9/6/2006	

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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